



NEW CLAIM LANGUAGE WITH INCORPORATED AMENDMENTS

Sub C1
B1

1 A system for automated testing of software, the system comprising a system server component comprising,
a test bucket for storing sets of test data,
a job receiver process, for accepting test requests from a user, each test request comprising an identifier for selecting test data from the test bucket,
a resource process and resource pool for managing system resource data to indicate resources available for software testing on a set of client computer systems,
a job execution process for creating test execution script data based on the test data identified in a test request,
wherein the job execution process receives the test request from the job receiver process,
dynamically creates the test execution script based upon the resource pool indicating the availability of resources required for the execution of the test on one or more of the set of client computer systems, and
initiates testing by forwarding the test execution script data to the appropriate one or more of the set of client computer systems, and
the system server component further comprising a means for accepting and storing test results from the set of client computer systems.

B2
Cont'd

15. A computer program product for use with a computer comprising a central processing unit and random access memory, said computer program product comprising a computer usable medium having computer readable code means embodied in said medium for software testing in distributed systems, said computer program product comprising:

computer readable program code means for causing a computer to define and manage a test bucket for storing sets of test data,

computer readable program code means for causing a computer to execute a job receiver process, for accepting test requests from a user, each test request comprising an identifier for selecting test data from the test bucket,

computer readable program code means for causing a computer to execute a resource process for managing system a resource pool to indicate resources available for software testing on a set of client computer systems,

computer readable program code means for causing a computer to execute a job execution process for creating test execution script data based on the test data identified in a test request,

wherein the job execution process receives the test request from the job receiver process,

dynamically creates the test execution script data based the resource pool indicating the availability of resources required for the execution of the test on one or more of the set of client computer systems, and

initiates testing by forwarding the test execution script data to the appropriate one or more of the set of client computer systems, and

computer readable program code means for causing a computer to accept and store test results from the set of client computer systems.

17. A computer program product tangibly embodying a program of instructions executable by a computer for implementing a system for automated testing of software, the system comprising a system server component comprising,

a test bucket for storing sets of test data,

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cont.*

a job receiver process, for accepting test requests from a user, each test request comprising an identifier for selecting test data from the test bucket,

a resource process and resource pool for managing system resource data to indicate resources available for software testing on a set of client computer systems,

*B3
end*

a job execution process for creating test execution script data based on the test data identified in a test request, by receiving the test request from the job receiver process,

dynamically creating test execution script data based upon the resource pool indicating the availability of resources required for the execution of the test on one or more of the set of client computer systems, and

initiating testing by forwarding the test execution script data to the appropriate one or more of the set of client computer systems, and

the system server component further comprising a means for accepting and storing test results from the set of client computer systems.

*Sub
C
cont.*

*B4
cont'd*

19. A method for use with a computer comprising a central processing unit and random access memory, said computer program product comprising a computer usable medium having computer readable code means embodied in said medium for software testing in distributed systems, said method comprising the steps at said computer of:

defining and managing a test bucket for storing sets of test data,

executing a job receiver process, for accepting test requests from a user, each test request comprising an identifier for selecting test data from the test bucket,

*all
to
end*

executing a resource process for managing system a resource pool to indicate resources available for software testing on a set of client computer systems,

executing a job execution process for creating test execution script data based on the test data identified in a test request, by performing the steps of:

*B4
end*

receiving the test request from the job receiver process at the job execution process,

dynamically creating a test execution script indicating the availability of resources required for the execution of the test on one or more of the set of client computer systems, and

initiating testing at said job execution process by forwarding the test execution script data to the appropriate one or more of the set of client computer systems, and

accepting and storing test results from the set of client computer systems.
